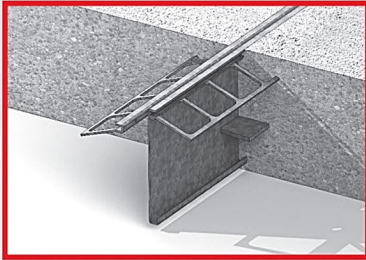


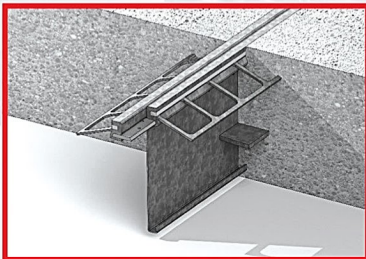
NEAREST LAUNCHES

OMEN 1 & 1+



- **OMEN 1** Top Section is formed from one single section of steel with continuous ties to anchor the joint into the concrete along its length.
- **OMEN 1+** has an inbuilt Impact Absorber insert which absorbs the impact of the truck wheel as it passes over the joint reducing impact on the concrete edge.

OMEN 25



- **OMEN 25** Top Section has all the features and benefits of **OMEN 1+** but has an inbuilt bottom recess into which the special full length Insert Support plate is fitted.
- The Insert Support plate is designed to provide accurate level control across the top faces and when the joint opens through shrinkage the Insert Support plate will provide full support to the joint sealant when it is installed or if over 10mm wide joint opening a special Joint insert can be installed.

FlorCon is an innovative company specializing in floor design, specification, installation, supervision and floor construction products, particularly armoured floor joint systems where **FlorCon** pushes the design boundaries to produce floor joints that provide maximum joint protection and load transfer from the minimum steel requirement. **FlorCon** works closely with its associate company in Russia **FlorCon Rus** who provide the same services within Russia and the CIS countries and are manufacturing joint systems for these markets and export.

FlorCon is headed up by **Rodney Arnold** who was the Owner, Chairman and Managing Director of Permaban Ltd and has over 30 year's experience within the floor construction industry with many firsts to his name.

Supported by engineers and operational staff **Rodney Arnold and FlorCon** are committed to producing Market Leading products with market leading technologies.



FLORCON JOINTS GUIDE

SINUS • ARMOUR JOINT • AJ ADJUSTABLE • OMEN 3 • OMEN 1+ • OMEN 25

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Technical Report 34
CONCRETE INDUSTRIAL
GROUND FLOORS
A guide to design and construction

COMPLIANT WITH TR34

SINUS

- Thanks to its disruptive S-face the next generation of joint section reduces wheel impact and ensures the strongest joint armouring.
- Maximum bearing capacity thanks to the top strips made from 6mm thick steel.
- Innovative **SINUS** Joint can withstand heavy duty and intensive traffic.
- **SINUS JOINTS** reduce to zero impacts and therefore damage of joints and trucks.

AREAS FOR USE:

- High-Rack Warehouses
- Freezing Rooms
- Other Industrial Projects where there is required durable concrete floor with increased operational characteristics:
 - Intensive Traffic Areas
 - Defined Movement Areas
 - Doorway Protection
 - Dock Levellers

WHEEL TYPE:

- Very heavy duty small hard wheels:
 - Standard Warehouse Pallet Trucks
 - High Rack Stackers



HIGH RACK STACKER

OMEN 3 & 3+

- New generation of joint armouring performance whilst minimizing steel cost. Galvanized steel as ideal solution for external areas, open parking, wet areas. Omen 3+ has an additional reinforcing bar under the top face for medium to heavy duty floors.
- Radius on joint edge provides wheel life increase.

AREAS FOR USE:

- Warehouses
- Production Facilities (light industry)
- Open Parking
- Hypermarkets
- Wet Workshops
- Other Projects with Medium Duties and Free Movement Areas

WHEEL TYPE:

- OMEN 3** • Pneumatic Tyres
- OMEN 3+** • Small Hard Wheels (from PU etc.)



FORKLIFT TRUCK WITH PNEUMATIC TYRES

ARMOUR JOINT

- Traditional proved joints solution in standard and adjustable height format (**ARMOUR JOINT ADJUSTABLE**).

AREAS FOR USE:

- High-Rack Warehouses
- Production Facilities
- Distribution and Logistic Centres
- Hypermarkets
- Other Industrial Projects where there is required durable concrete floor with increased operational characteristics:
 - Intensive Traffic Areas
 - Free Movement Areas

WHEEL TYPE:

- Very heavy duty small hard wheels:
 - Hand Pallet Trucks
 - Forklift Trucks
 - Counterbalance Trucks

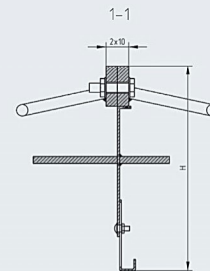
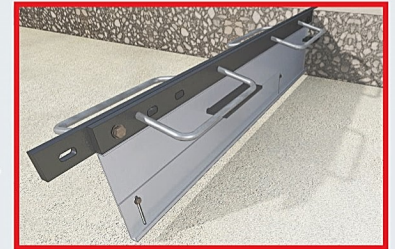


Floor Slab Thickness, mm	Joint Type
110-120	Armour Joint 90
120-140	Armour Joint 110
140-160	Armour Joint 130
160-230	Armour Joint Adjustable 150-200
190-210	Armour Joint 180
210-280	Armour Joint Adjustable 200-250

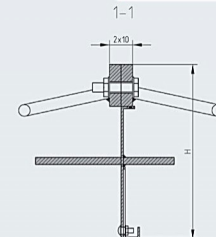
Example to choose **Armour Joint** and **Armour Joint Adjustable** depending on slab thickness.

AJ ADJUSTABLE

- **ARMOUR JOINT ADJUSTABLE** universality is suitable for heavy traffic.
- This joint type can be used on any warehouse and production facilities.
- It is very practical joint type if the concrete slab thickness is not constant on project or you would like to have some storage of universal joint suitable for several concrete slab thickness at once.



Maximal Height of AJ Adjustable



Minimal Height of AJ Adjustable

Installation is similar to Armour Joint.